PIONEER
The Art of Entertainment

Service Manual

ORDER NO.
CRT1362

BRIDGEABLE POWER AMPLIFIER

GM-2200 EW, ES
GM-1200 EW, ES

- **This additional service manual is designed to be used together with Model GM-H100/UC Service Manual (CRT1343). Refer to it for finding parts numbers, etc. which are not shown in this manual.**

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8. PACKING METHOD 20

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
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1. ADJUSTMENT

● Connection Diagram

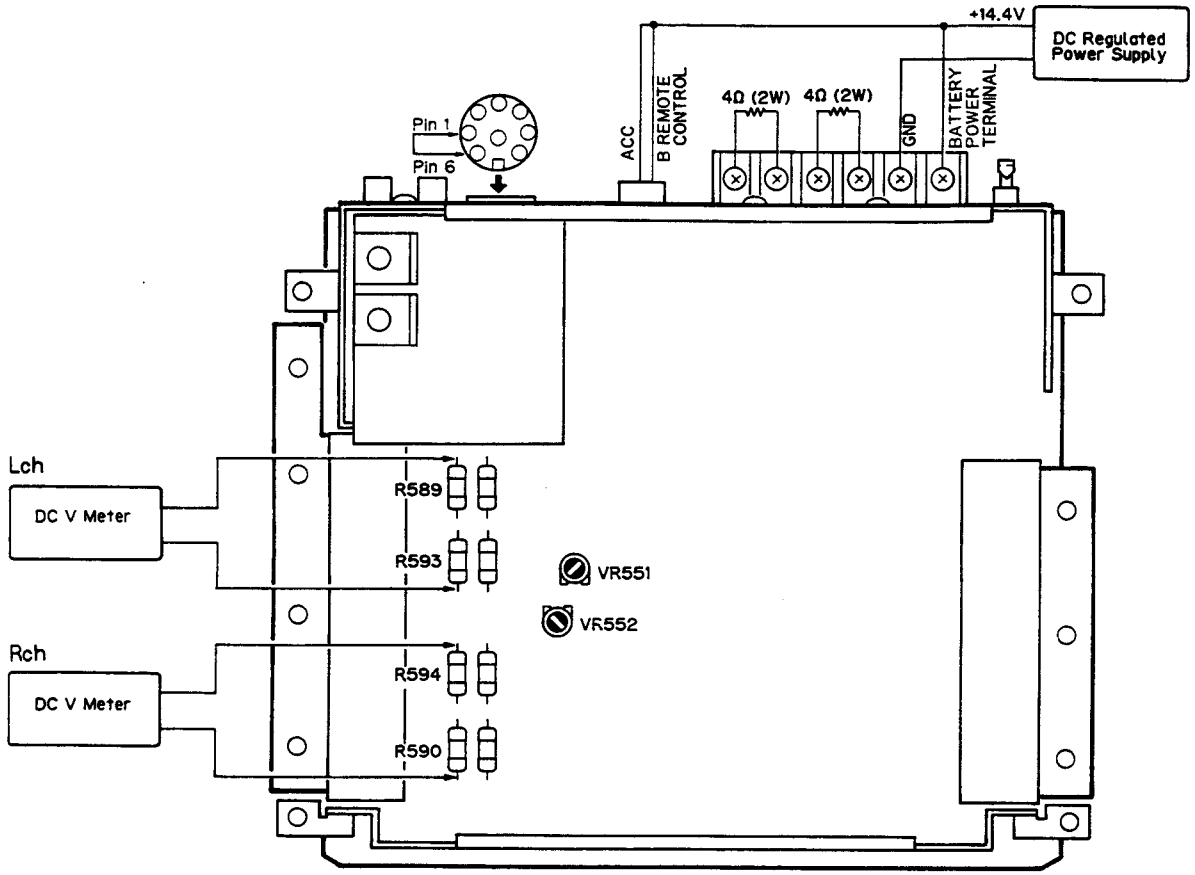

Fig. 1

1.1 IDLE CURRENT ADJUSTMENT

No.	Adjusting Point	Adjustment Method (Switch Position)
1		Rotate VR551 and VR552 counterclockwise. Turn the power on, and wait about 10 minutes.
2	VR551 (Lch) VR552 (Rch)	DC V Meter: 1.0mV+ 2.3mV - 0.34mV (DRIVE MODE SELECT SWITCH : 4Ω)

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GM-1200

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Service Manual

ORDF .
CRT ,2

BRIDGEABLE POWER AMPLIFIER

GM-2000

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1. ADJUSTMENT

● **Connection Diagram**

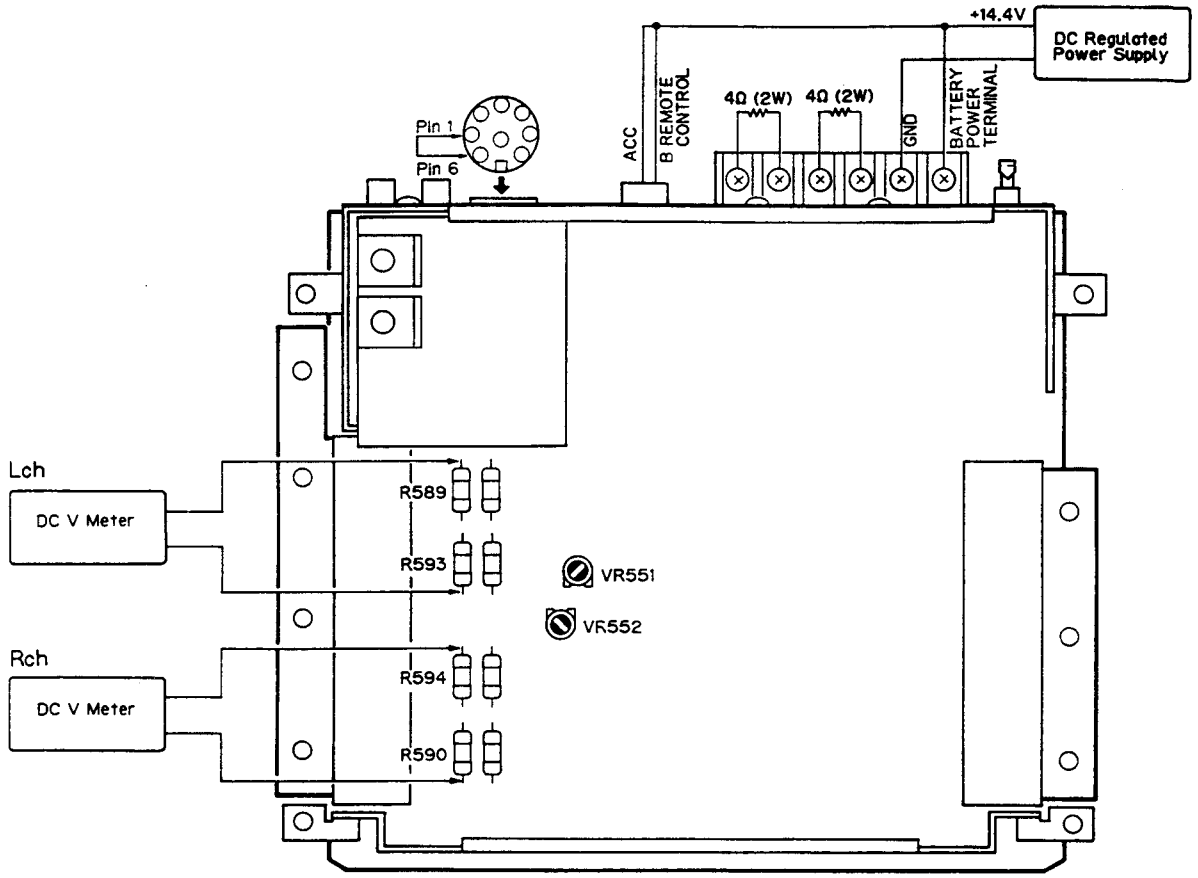

Fig. 1

1.1 IDLE CURRENT ADJUSTMENT

No.	Adjusting Point	Adjustment Method (Switch Position)
1		Rotate VR551 and VR552 counterclockwise. Turn the power on, and wait about 10 minutes.
2	VR551 (Lch) VR552 (Rch)	DC V Meter: 1.0mV+ 2.3mV - 0.34mV (DRIVE MODE SELECT SWITCH : 4Ω)

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Mark	Circuit Symbol & No.	Part Name	Part No.
R	660 661		RD1/4PS223JL
R	662 663 863 864		RD1/4PS103JL
R	664		RD1/4PS123JL
R	665		RD1/4PS331JL
R	666	Thermister	CCX1009
R	667		RD1/4PS822JL
R	668 669 907 908 915 916 917 938 939		RD1/4PS472JL
R	670 853 854		RD1/4PS104JL
R	673 674		RD1/4PS393JL
R	675 676		RD1/4PS564JL
R	855 856		RD1/4PS274JL
R	857 858		RD1/4PS471JL
R	861 862		RD1/4PS187JL
R	901 902		RD1/2PS220JL
R	903 904 905 906		RD1/4PM820J
R	909 910		RD1/4PS332JL
R	911 942		RD1/4PS102JL
R	912		RD1/4PS682JL
R	913		RD1/4PS472JL
R	914		RD1/4PS222JL
R	918		RD1/4PS184JL
R	919		RD1/4PS183JL
R	920		RD1/4PS102JL
R	921		RD1/4PS105JL
R	922		RN1/4PC1502D
R	923 924		RD1/4PS182JL
R	928 929		RD1/4PM100J
R	930		RD1/4PS152JL
R	932		RD1/4PS103JL
R	933		RD1/4PS102JL
R	934		RD1/4PS821JL
R	935		RD1/4PS101JL
R	937		RD1/4PS104JL
R	940		RD1/4PS122JL
R	941		RD1/4PS122JL
R	944		RD1/4PS473JL
R	945 946		RD1/4PS182JL

CAPACITORS

Mark	Circuit Symbol & No.	Part Name	Part No.
C	351 352		CEZA100M16
C	551		CEZA101M10
C	553 554		CKPYB101K50L
C	555 556 557 558		CCPSL330J50L
C	559 560 561 562		CCPSL220J50L
C	563 564 565 566		CQFAH224J50L
C	567 568		CQFAH223J50L
C	569 570 571 572		CQFA333J50L
C	575 576	2200μF/35V	CCH1024
C	577 578		CKCYB102K50
C	579 580		CEA470M16L2
C	581 582		CEA471M35L2
C	651		CEA100M16L2
C	652 905		CEA101M16L2
C	653		CEA220M16L2
C	654		CEA4R7M35L2
C	656	220μF/10V	CCH1036
C	657	470μF/16V	CCH-114
C	851 852		CEZA2R2M50
C	853		CEA471M6R3L2
C	854	(ES)	CKPYB102K50L
C	854	(EW)	CKPYB472K50
C	855 856 857 858		CEZA470M10
C	901 902	3900μF/16V	CCH1025
C	903 904		CQMA223J50
C	906		CEA471M10L2
C	907		CEA2R2M50L2
C	908		CQPA102J2A
C	909 910	3900μF/35V	CCH1088
C	911		CEA102M16L2
C	913 914		CEA470M16L2
C	916		CEA101M10L2
C	917		CEA331M6R3L2
C	918 920 921		CKCYF473Z50
C	922	(EW)	CKCYF473Z50
C	924	(EW)	CKPYF473Z50

Miscellaneous Parts List

Mark	Circuit Symbol & No.	Part Name	Part No.
FU	10	Fuse 30A	CEK1140

● GM-1200/EW, ES

Unit Number :
Unit Name : Volume Unit

MISCELLANEOUS

Mark	Circuit Symbol & No.	Part Name	Part No.
IC	452		UPC4570HA
D	912		PR3432S
VR	451	Volume 10kΩ (A)	CCS1174
VR	452	Volume 10kΩ (C)	CCS1175

RESISTORS

Mark	Circuit Symbol & No.	Part Name	Part No.
R	3 4 21 22		RS1/10S0R0J
R	7 8 9 10 11		RS1/8S0R0J
R	451 452		RS1/10S271J
R	461 462		RS1/10S273J
R	465 466		RS1/10S472J
R	491 492		RS1/10S122J

CAPACITORS

Mark	Circuit Symbol & No.	Part Name	Part No.
C	453 454		CCSQSL330J50
C	459		CEWAS470M10
C	460		CEWAS101M10
C	461 462		CKSYB473K25

Unit Number :
Unit Name : Amp Unit

MISCELLANEOUS

Mark	Circuit Symbol & No.	Part Name	Part No.
IC	551 851		UPC4570HA
IC	651		TA8194Z
IC	901		UPC494C
Q	551 552		2SA1145
Q	553 554		2SC2705
Q	555 556		2SC3421
Q	557 558		2SA1358
Q	559 560		2SD1705
Q	561 562		2SB1154
Q	563 564		2SC1568
Q	651 652 658 659 909 919		2SC2458
Q	654		2SA1048
Q	655 660 851 852 910 911		2SA1048
Q	656 657 661 912 913		2SC2458
Q	662		2SC3113
Q	663		2SA1199S
Q	664 665		2SD1768S
Q	901 902		2SK1191
Q	905 907		2SA1359
Q	906 908		2SC3422

2. ELECTRICAL PARTS LIST

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*
- *The part numbers shown below indicate chip components.*

Chip Resistor

RS1/8S □□□J, RS1/10S □□□J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

● GM-2200/EW, ES

Unit Number :
Unit Name : Volume Unit

MISCELLANEOUS

Mark	Circuit Symbol & No.	Part Name	Part No.
IC	452		UPC4570HA
D	912		PR3432S
VR	451	Volume 10kΩ (A)	CCS1174
VR	452	Volume 10kΩ (C)	CCS1175

RESISTORS

Mark	Circuit Symbol & No.	Part Name	Part No.
R	3 21 22		RS1/10S0R0J
R	4		RS1/10S221J
R	7 8 9 10		RS1/8S0R0J
R	11		RS1/8S221J
R	451 452		RS1/10S271J
R	461 462		RS1/10S273J
R	465 466		RS1/10S472J
R	491 492		RS1/10S681J

CAPACITORS

Mark	Circuit Symbol & No.	Part Name	Part No.
C	453 454		CCSQSL330J50
C	459		CEWAS470M10
C	460		CEWAS101M10
C	461 462		CKSYB473K25

Unit Number :
Unit Name : Amp Unit

MISCELLANEOUS

Mark	Circuit Symbol & No.	Part Name	Part No.
IC	551 851		UPC4570HA
IC	651		TA8194Z
IC	901		UPC494C
Q	551 552		2SA1145
Q	553 554		2SC2705
Q	555 556		2SC3421
Q	557 558		2SA1358
Q	559 560		2SD1707
Q	561 562		2SB1156
Q	563 564		2SC1568
Q	651 652 658 659 909 919		2SC2458
Q	654		2SA1048
Q	655 660 851 852 910 911		2SA1048
Q	656 657 661 912 913		2SC2458
Q	662		2SC3113
Q	663		2SA1199S
Q	664 665		2SD1768S
Q	901 902 903 904		2SK1191
Q	905 907		2SA1359
Q	906 908		2SC3422
Q	914 916		2SB1243
Q	915 917		2SD1864
Q	918		2SB1243
D	651 655 656		1SS133
D	653 654		1SS133
D	657		ERA15-02
D	658 905		ERA15-02VH
D	659		RD6R8JSB2
D	660 910		RD9R1JSB2
D	661 662 663 902 903		1SS133
D	901		RM4Z
D	904		RBV-602L
D	906		HZ30P
D	907 908		RD16JSB1
D	909		1SS133
D	911		RD6R2JSB3
L	551 552	Coil	CTH1028
L	901	Choke Coil	CTH1049
L	903 904	Choke Coil	CTH1027
L	905 906		CCG-081
L	907	Coil 100μH	CTF-113
T	901	Transformer	CTT1011
RY	651	Relay	CSR-040
SW	901	Switch (BFC)	HSH-156
SW	902	Switch (DRIVE MODE SELECT)	CSH1025
VR	551 552	Semi-fixed 1.5kΩ (B)	VRT86VS152

RESISTORS

Mark	Circuit Symbol & No.	Part Name	Part No.
R	351 352		RD1/4PS102JL
R	353 354		RD1/4PS273JL
R	551 552 555 678 859 860		RD1/4PS471JL
R	553 554		RD1/4PS103JL
R	557 558		RD1/4PS183JL
R	559 560 561 562 925 926		RD1/4PS153JL
R	563 564 565 566		RD1/4PS681JL
R	567 568 569 570 579 580 581 582 671 672		RD1/4PS473JL
R	571 572 573 574		RD1/4PS161JL
R	575 576		RD1/4PS392JL
R	577 578 677 851 852		RD1/4PS222JL
R	583 931		RD1/4PS221JL
R	584		RD1/4PS221JL
R	585 586 588		RD1/4PS100JL
R	587		RD1/4PS100JL
R	589 590 591 592 593 594 595 596	0.22Ω/2W	CCN1013
R	597 598 599 600		RS1/2P100JL
R	651 927		RD1/4PS103JL
R	652		RD1/4PS473JL
R	653 656		RD1/4PS223JL
R	654 655		RD1/4PS222JL
R	657 658 659 943		RD1/4PS223JL

Mark	Circuit Symbol & No.	Part Name	Part No.
Q	914 916		2SB1243
Q	915 917		2SD1864
Q	918		2SB1243
D	651 655 656		1SS133
D	653 654		1SS133
D	657		ERA15-02
D	658 905		ERA15-02VH
D	659		RD6R8JSB2
D	660 910		RD9R1JSB2
D	661 662 663 902 903		1SS133
D	901		RM4Z
D	904		RBV-602L
D	906		HZ30P
D	907 908		RD16JSB1
D	909		1SS133
D	911		RD6R2JSB3
L	551 552	Coil	CTH1028
L	901	Choke Coil	CTH1031
L	903 904	Choke Coil	CTH1036
L	905 906		CCG-081
L	907	Coil 100μH	CTF-113
T	901	Transformer	CTT1012
RY	651	Relay	CSR1010
SW	901	Switch (BFC)	HSH-156
SW	902	Switch (DRIVE MODE SELECT)	CSH1025
VR	551 552	Semi-fixed 1.5kΩ (B)	VRTB6VS152

RESISTORS

Mark	Circuit Symbol & No.	Part Name	Part No.
R	351 352		RD1/4PS102JL
R	353 354		RD1/4PS273JL
R	551 552 555 678 859 860		RD1/4PS471JL
R	553 554		RD1/4PS103JL
R	557 558		RD1/4PS183JL
R	559 560 561 562 925 926		RD1/4PS153JL
R	563 564 565 566		RD1/4PS681JL
R	567 568 569 570 579 580 581 582 671 672		RD1/4PS473JL
R	571 572 573 574		RD1/4PS161JL
R	575 576		RD1/4PS472JL
R	577 578 677 851 852		RD1/4PS222JL
R	583 931		RD1/4PS221JL
R	584		RD1/4PS221JL
R	585 586 588		RD1/4PS100JL
R	587		RD1/4PS100JL
R	589 590 591 592 593 594 595 596	0.22Ω/2W	CCN1013
R	597 598 599 600		RS1/2P100JL
R	651 927		RD1/4PS103JL
R	652		RD1/4PS473JL
R	653 656		RD1/4PS223JL
R	654 655		RD1/4PS222JL
R	657 658 659 943		RD1/4PS223JL
R	660 661		RD1/4PS223JL
R	662 663 863 864		RD1/4PS103JL
R	664		RD1/4PS123JL
R	665		RD1/4PS331JL
R	666	Thermister	CCX1010
R	667		RD1/4PS822JL
R	668 669 907 908 915 916 917 938 939		RD1/4PS472JL
R	670 853 854		RD1/4PS104JL
R	673 674		RD1/4PS393JL
R	675 676		RD1/4PS564JL
R	855 856		RD1/4PS274JL
R	857 858		RD1/4PS471JL
R	861 862		RD1/4PS182JL
R	901 902		RD1/2PS220JL
R	903 904		RD1/4PM820J
R	909 910		RD1/4PS332JL
R	911 942		RD1/4PS102JL
R	912		RD1/4PS682JL
R	913		RD1/4PS562JL
R	914		RD1/4PS122JL
R	918		RD1/4PS683JL
R	919		RD1/4PS183JL
R	920		RD1/4PS102JL
R	921		RD1/4PS105JL
R	922		RN1/4PC1502D
R	923 924		RD1/4PS182JL
R	928 929		RD1/4PM100J
R	930		RD1/4PS152JL
R	932		RD1/4PS103JL
R	933		RD1/4PS102JL
R	934		RD1/4PS821JL
R	935		RD1/4PS101JL
R	936		RD1/4PS683JL
R	937		RD1/4PS104JL
R	940		RD1/4PS122JL
R	941		RD1/4PS122JL
R	945 946		RD1/4PS182JL

CAPACITORS

Mark	Circuit Symbol & No.	Part Name	Part No.
C	351 352		CEZA100M16
C	551		CEZA101M10
C	553 554		CKPYB101K50L
C	555 556 557 558		CCPSL330J50L
C	559 560 561 562		CCPSL220J50L
C	563 564 565 566		CQFAH224J50L
C	567 568		CQFAH223J50L
C	569 570 571 572		CQFA333J50L
C	575 576	2200μF/35V	CCH1024
C	577 578		CKCYB102K50
C	579 580		CEA470M16L2
C	581 582		CEA471M35L2
C	651		CEA100M16L2
C	652 905		CEA101M16L2
C	653		CEA220M16L2
C	654		CEA4R7M35L2
C	656	220μF/10V	CCH1036
C	657	470μF/16V	CCH-114
C	851 852		CEZA2R2M50
C	853		CEA471M6R3L2
C	854	(ES)	CKPYB102K50L
C	854	(EW)	CKPYB472K50
C	855 856 857 858		CEZA470M10
C	901 902	3300μF/16V	CCH1023
C	903 904		CQMA223J50
C	906		CEA471M10L2
C	907		CEA2R2M50L2
C	908		CQPA102J2A
C	909 910	3300μF/25V	CCH1087
C	911		CEA102M16L2
C	913 914		CEA470M16L2
C	916		CEA101M10L2
C	917		CEA331M6R3L2
C	918 920 921		CKCYF473Z50
C	922	(EW)	CKCYF473Z50
C	924	(EW)	CKPYF473Z50

Miscellaneous Parts List

Mark	Circuit Symbol & No.	Part Name	Part No.
FU	10	Fuse 15A	CEK1137

3. CONNECTION DIAGRAM

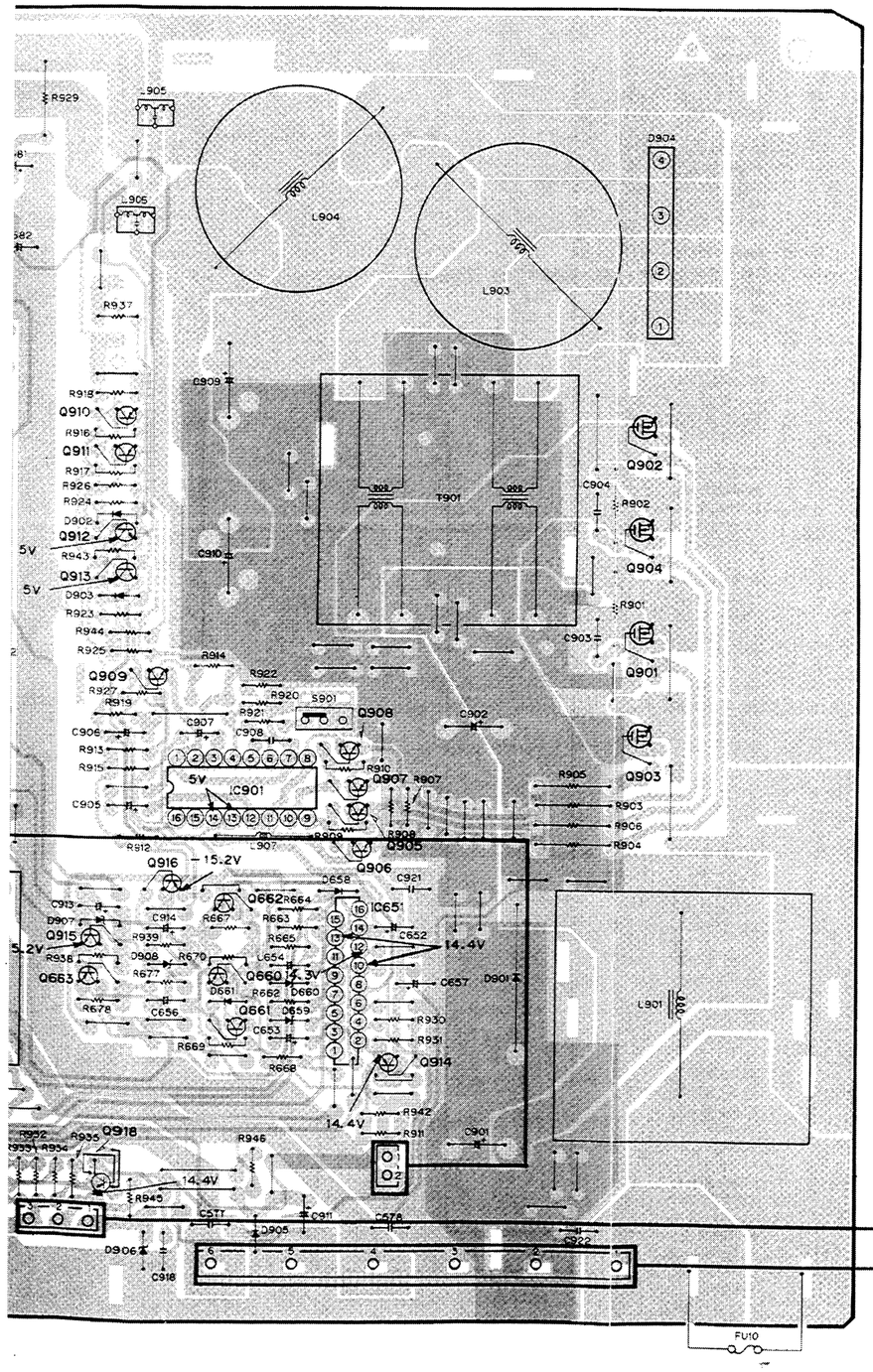
AMP UNIT

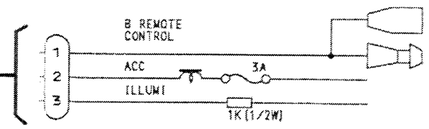
| | | |

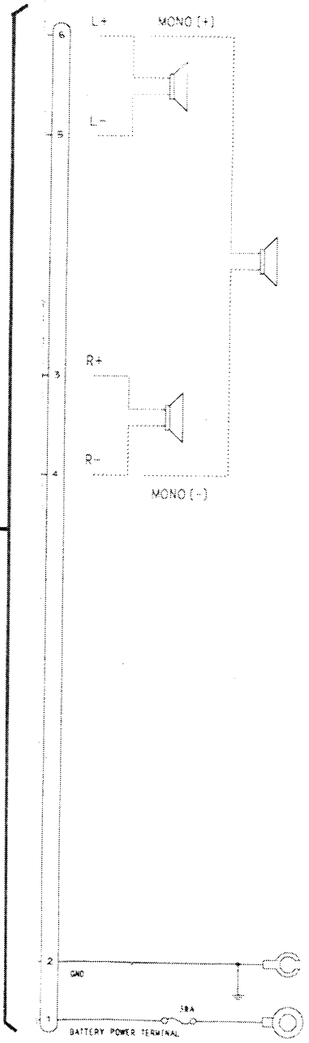
Q918 Q909
Q911 Q910 Q661
Q915 Q912 IC901 Q660
Q663 Q913 Q916 Q662

Q907 Q914
Q905 Q908
IC651 Q906

Q902 Q904
Q903 Q901







TO AMP UNIT

VOLUME UNIT

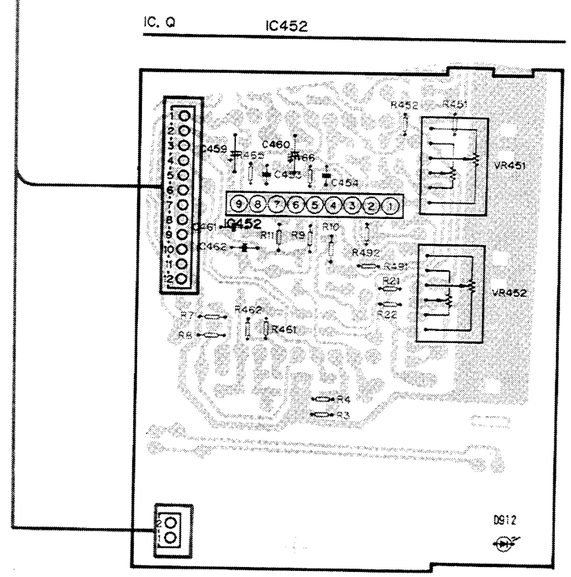
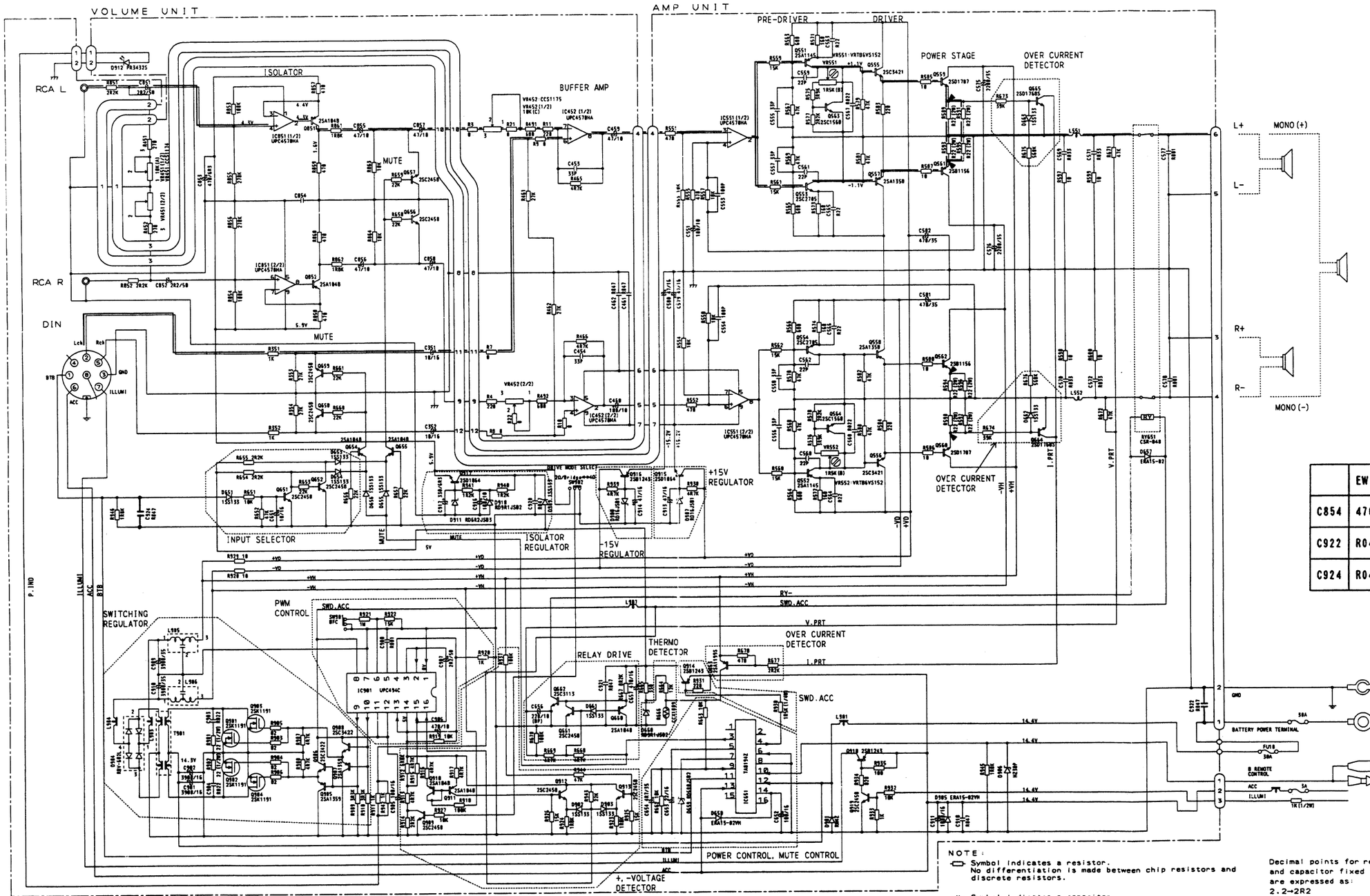


Fig. 2

4. SCHEMATIC CIRCUIT DIAGRAM



	EW	ES
C854	4700P	R001
C922	R047	·····
C924	R047	·····

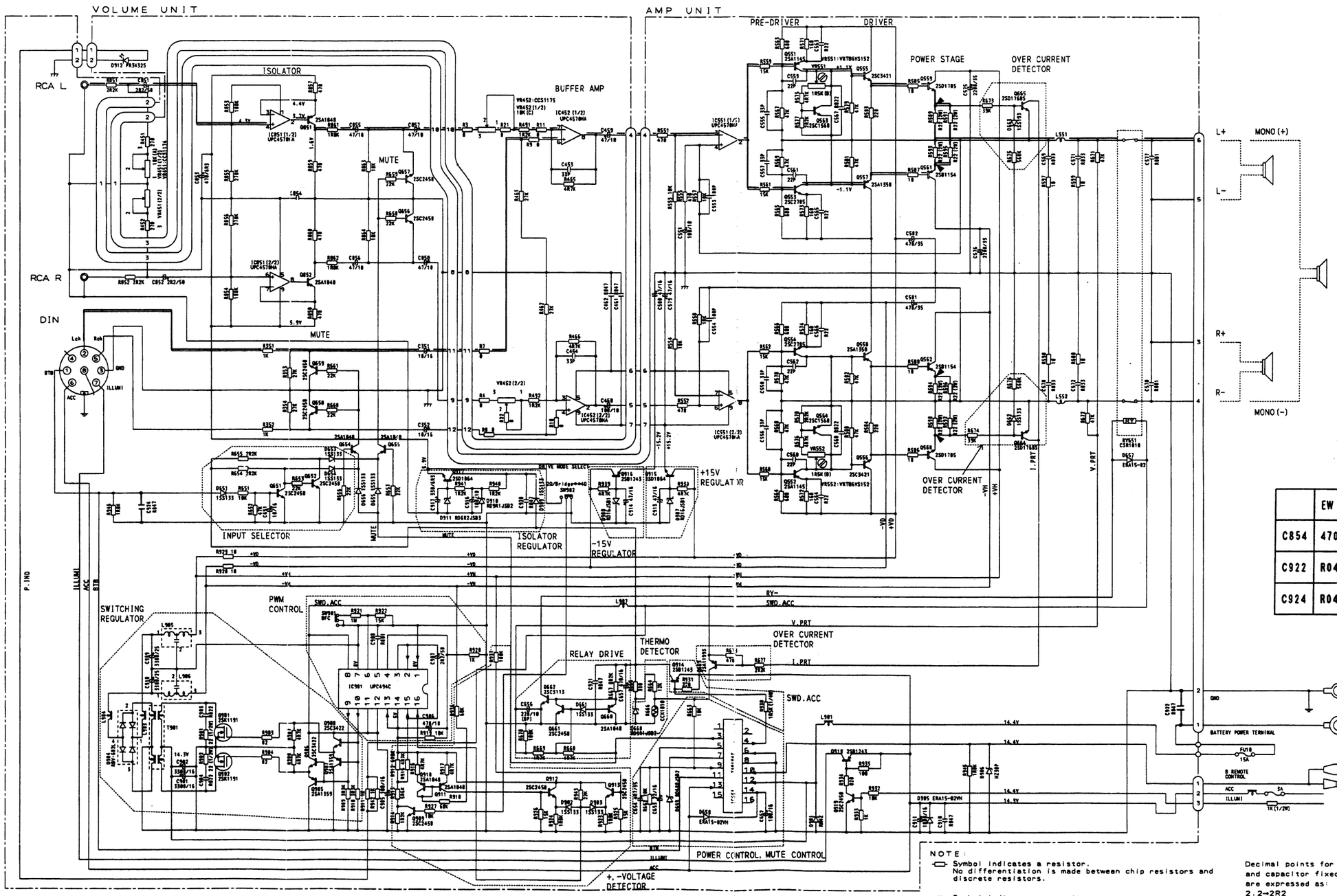
NOTE:
- Symbol indicates a resistor. No differentiation is made between chip resistors and discrete resistors.
- Symbol indicates a capacitor. No differentiation is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

SWITCHES:
AMP UNIT
SW901: BFC SWITCH ····· LOW-HIGH
SW902: DRIVE MODE SELECT SWITCH ·· 2Ω/Bridge-4Ω
The underlined indicates the switch position.

Fig. 3

5. SCHEMATIC CIRCUIT DIAGRAM (GM-1200/EW, ES)



	EW	ES
C854	4700P	R001
C922	R047	·····
C924	R047	·····

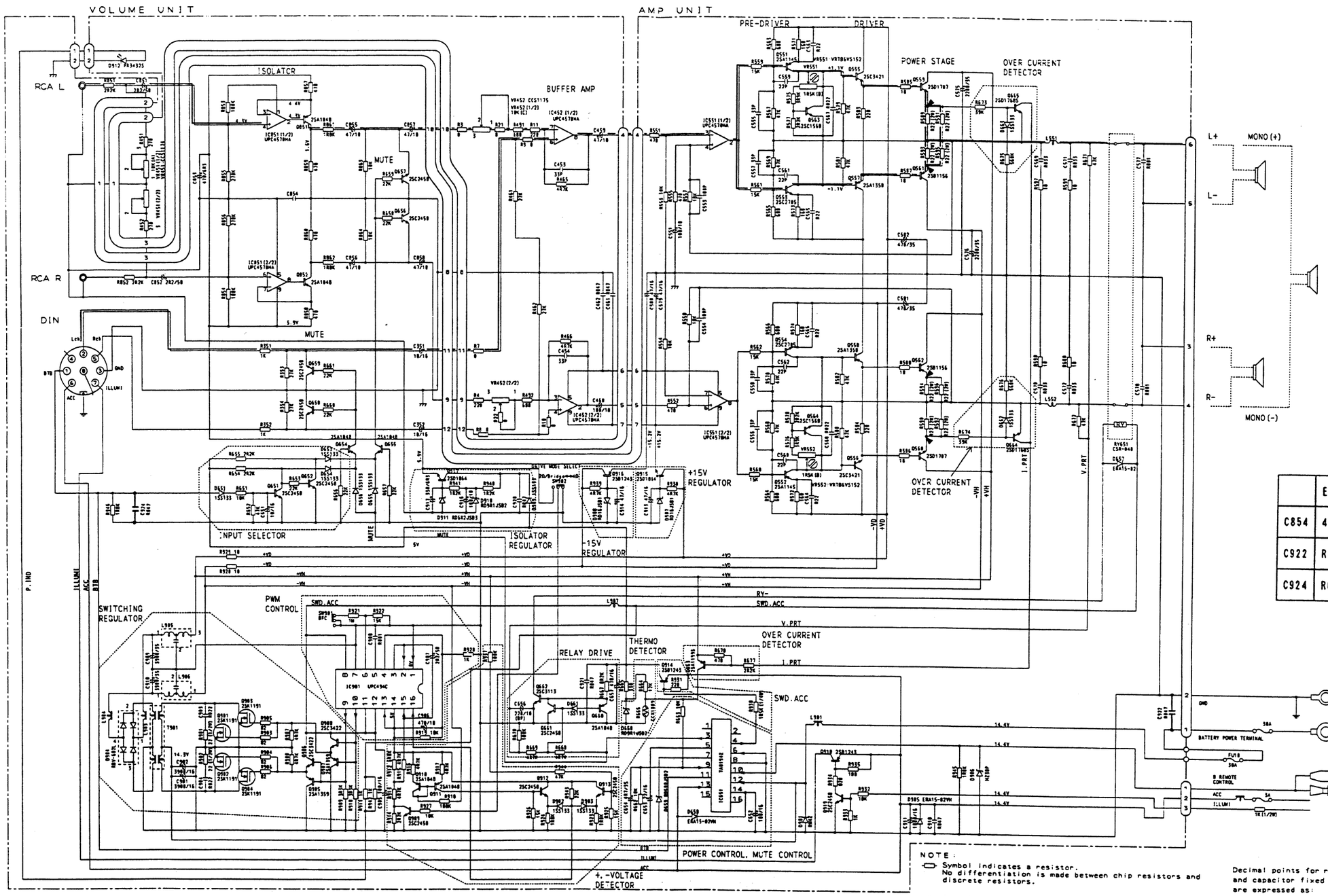
NOTE:
- ⇨ Symbol indicates a resistor. No differentiation is made between chip resistors and discrete resistors.
- ⊣⊢ Symbol indicates a capacitor. No differentiation is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

SWITCHES:
AMP UNIT
SW901: BFC SWITCH ····· LOW-HIGH
SW902: DRIVE MODE SELECT SWITCH ·· 2Ω/Bridge-4Ω
The underlined indicates the switch position.

Fig. 4

4. SCHEMATIC CIRCUIT DIAGRAM (GM-2200/EW, ES)



	EW	ES
C854	4700P	R001
C922	R047	·····
C924	R047	·····

NOTE:

⇨ Symbol indicates a resistor. No differentiation is made between chip resistors and discrete resistors.

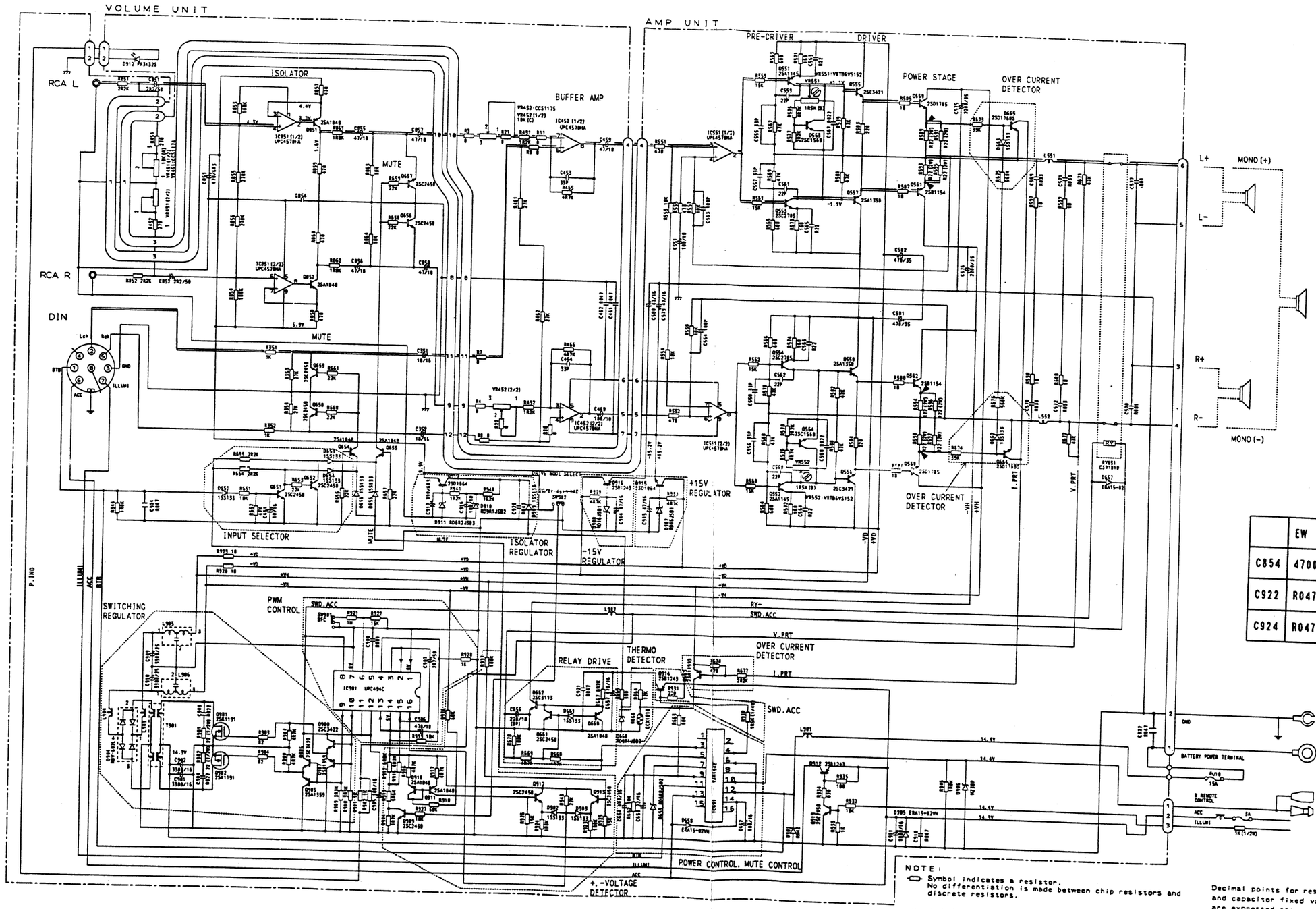
⊣⊢ Symbol indicates a capacitor. No differentiation is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

SWITCHES:
AMP UNIT
SW901: BFC SWITCH ····· LOW–HIGH
SW902: DRIVE MODE SELECT SWITCH ·· 2Ω/Bridge–4Ω
The underlined indicates the switch position.

Fig. 3

5. SCHEMATIC CIRCUIT DIAGRAM (GM-1200/EW, ES)



	EW	ES
C854	4700P	R001
C922	R047	.....
C924	R047	.....

NOTE:
- Symbol indicates a resistor. No differentiation is made between chip resistors and discrete resistors.
- Symbol indicates a capacitor. No differentiation is made between chip capacitors and discrete capacitors.

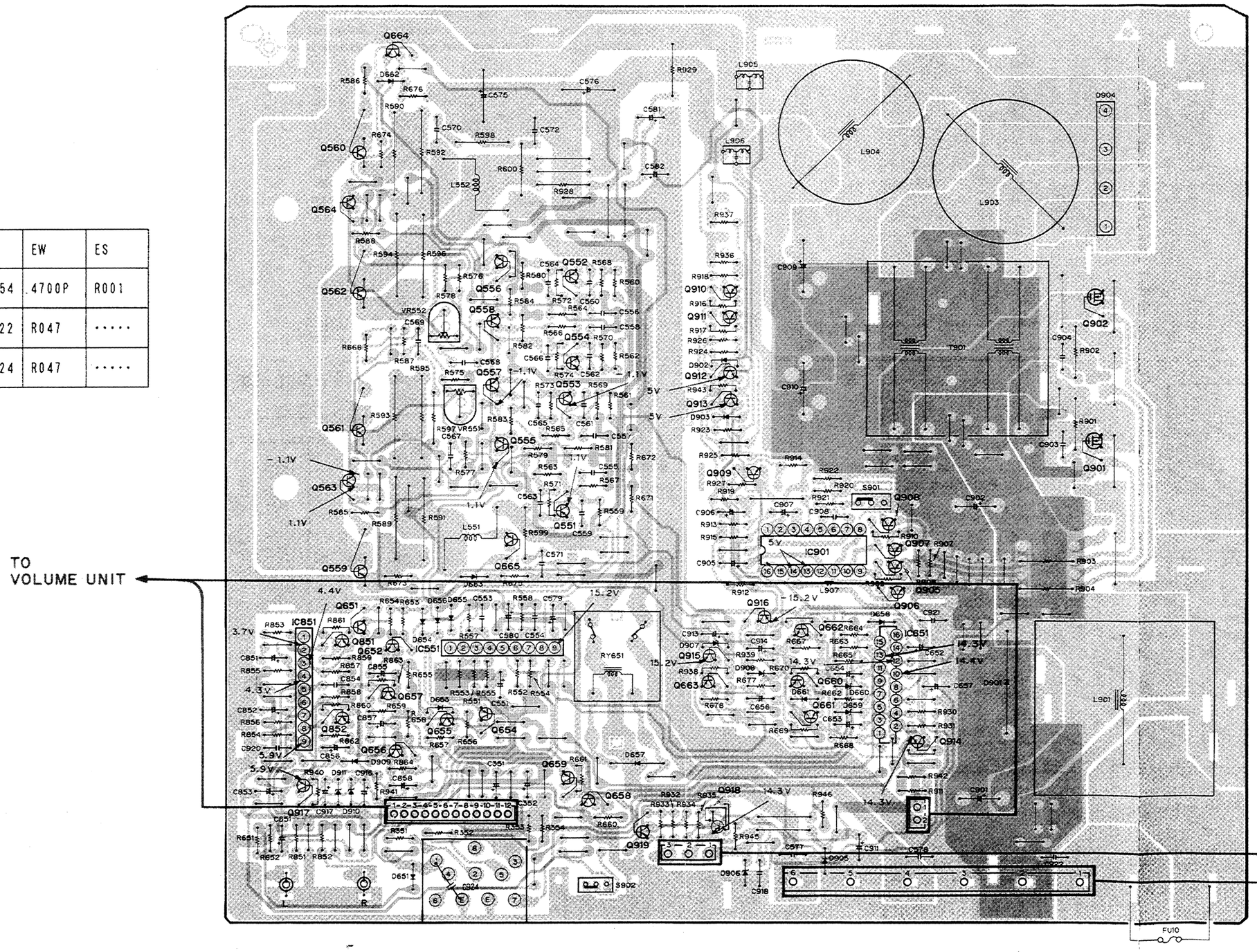
Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

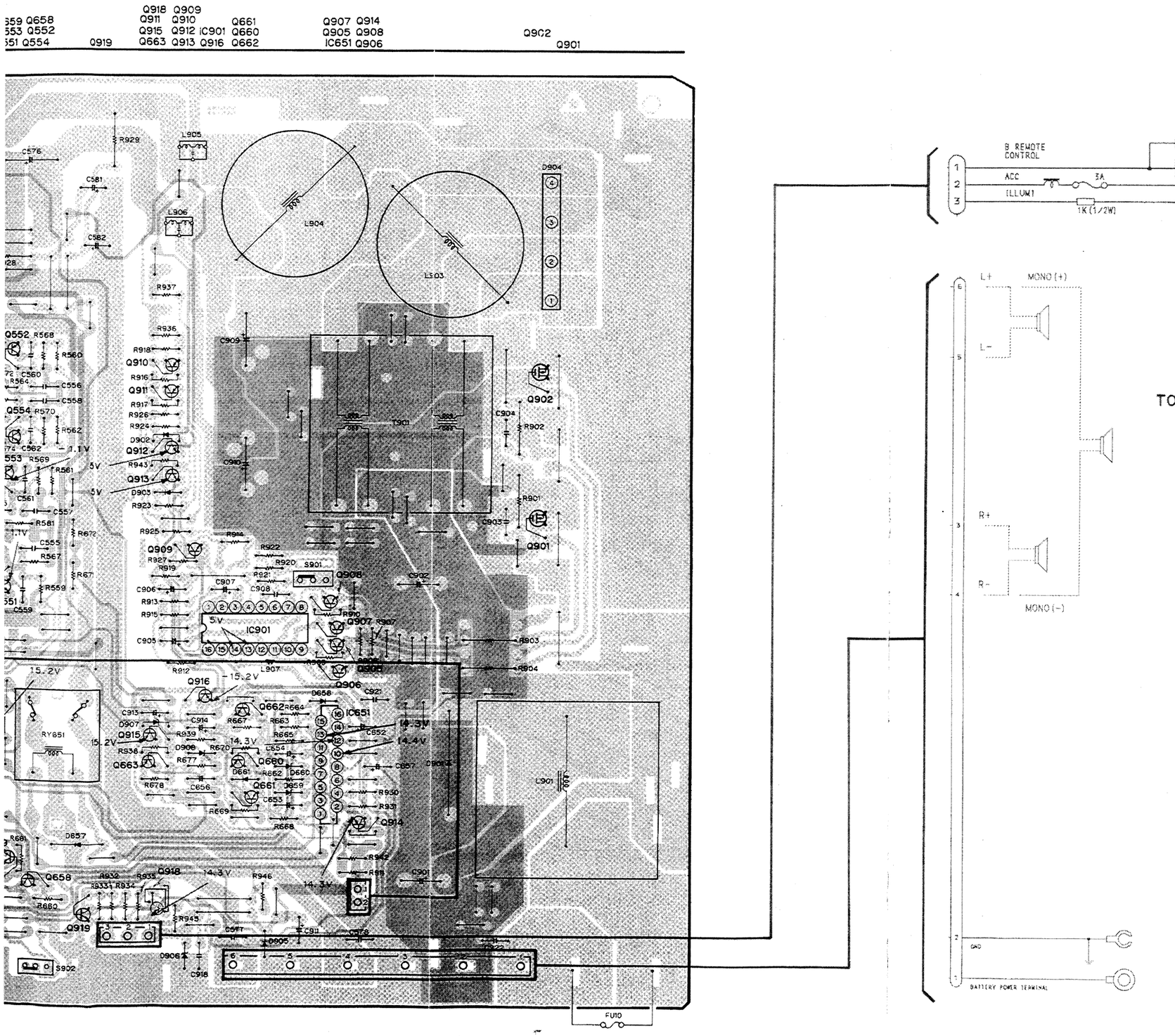
SWITCHES:
AMP UNIT
SW901: BFC SWITCH ..... LOW-HIGH
SW902: DRIVE MODE SELECT SWITCH ..2Ω/Bridge-4Ω
The underlined indicates the switch position.

Fig. 4

6. CONNECTION DIAGRAM (GM-1200/EW, ES)

	EW	ES
C854	.4700P	R001
C922	R047	·····
C924	R047	·····




Q658 Q552 Q554 Q919
Q918 Q909 Q911 Q910 Q915 Q912 Q663 Q913
IC901 Q661 Q660 Q916 Q662
Q907 Q914 Q905 Q908 IC651 Q906
Q902 Q901
L905 L906 L904 L903
D904
R929 C576 C581 C582 R937 R936
Q552 R568 R560 C560 R564 C556 C558
Q554 R570 R562 C562 R569 R561 C561 C557 R581 R672 C555 R567 R671 R559 C559
Q910 R916 Q911 R917 R926 R924 D902 Q912 R943 Q913 D903 R923 R925 R944 R922 R920 S901 Q909 R927 R919 R921 Q908 C907 C906 C908 C902 R913 R915 C905 IC901 5V R907 Q907 R903 R912 L907 Q905 R904
C909 C910 T901 C904 R902 Q902 R901 C903 Q901
15.2V Q916 -15.2V Q906 D658 C921 IC651 14.3V 14.4V
RY851 15.2V C915 D907 Q915 C914 R939 D906 Q663 R677 R678 Q662 R664 R667 R663 R665 14.3V R670 C654 Q660 D661 R662 D660 Q661 D659 C653 R669 R668 C652 C657 R930 R931 Q914 D906 L901
D657 R681 Q658 R932 R933 R934 Q918 14.3V R946 R945 R941 C911 C918 D905 D906 C918 S902
B REMOTE CONTROL
1 2 3
ACC 3A
ILLUM
1K (1/2W)
L+ MONO (+) L-
6 5 4 3 2 1
R+ R- MONO (-)
GND
BATTERY POWER TERMINAL
TO AMP UNIT
VOLUME UNIT
IC. Q IC452
R452 R451 VR451 C460 C459 R455 R466 C453 C454
IC452 C461 C462 R11 R9 R10 R492 R491 R21 R22 VR452 R462 R7 R8 R461 R4 R3 D912
FU10

A

B

C

D

Fig. 5

7. EXPLODED VIEW

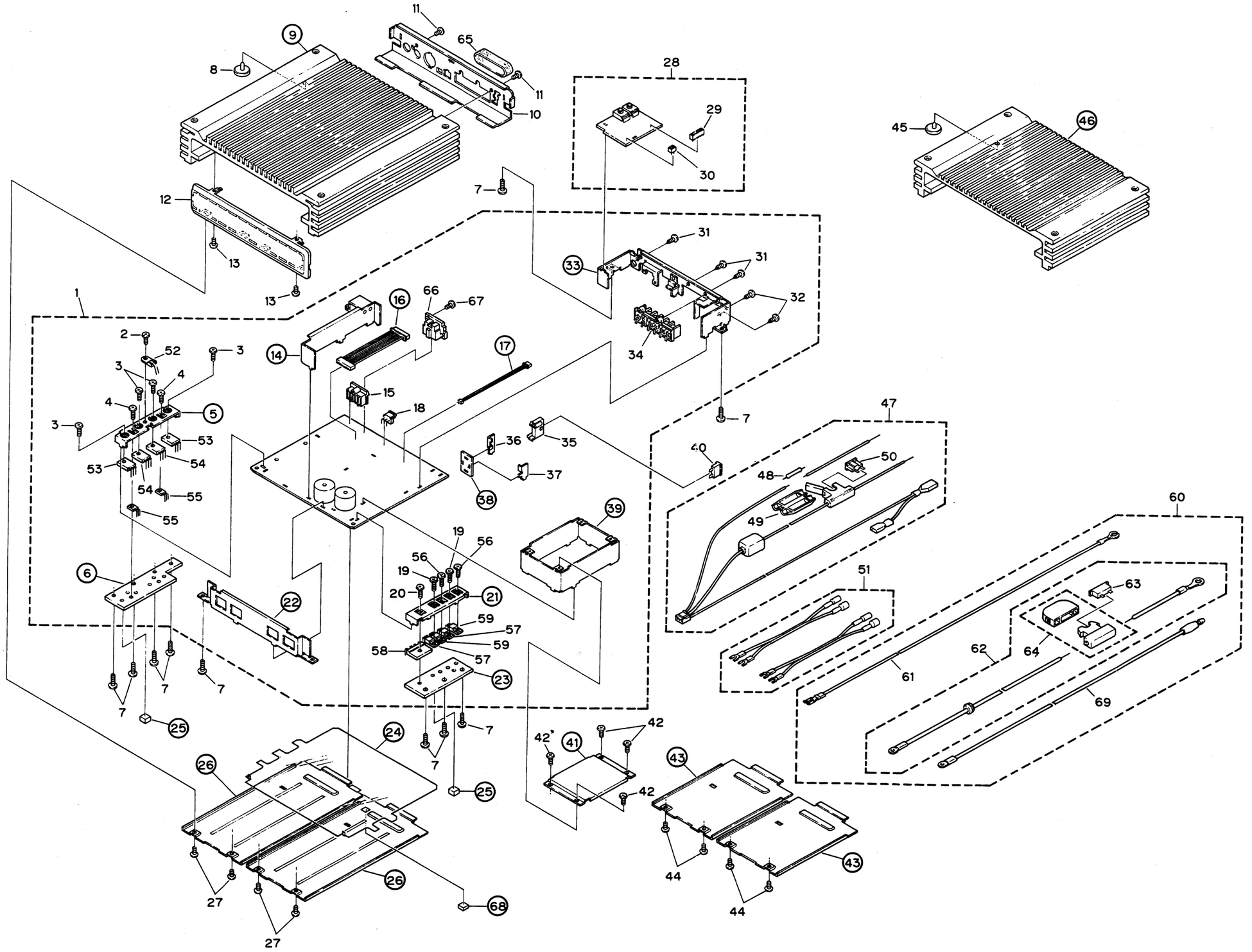


Fig. 6

● **Parts List (**

NOTE:

- *The parts ma*
- *Because the p*

Mark	No.	D
◉	1	A
		A
	2	S
	3	S
	4	S
	5	B
	6	H
	7	S
	8	L
	9	H
	10	P
	11	S
	12	P
	13	S
	14	H
	15	J
	16	C
	17	C
	18	P
	19	S
	20	S
	21	B
	22	H
	23	H
	24	I
	25	S
	26	C
	27	S
◉	28	V
	29	P
	30	P
	31	S
	32	S
	33	B
	34	T
	35	F

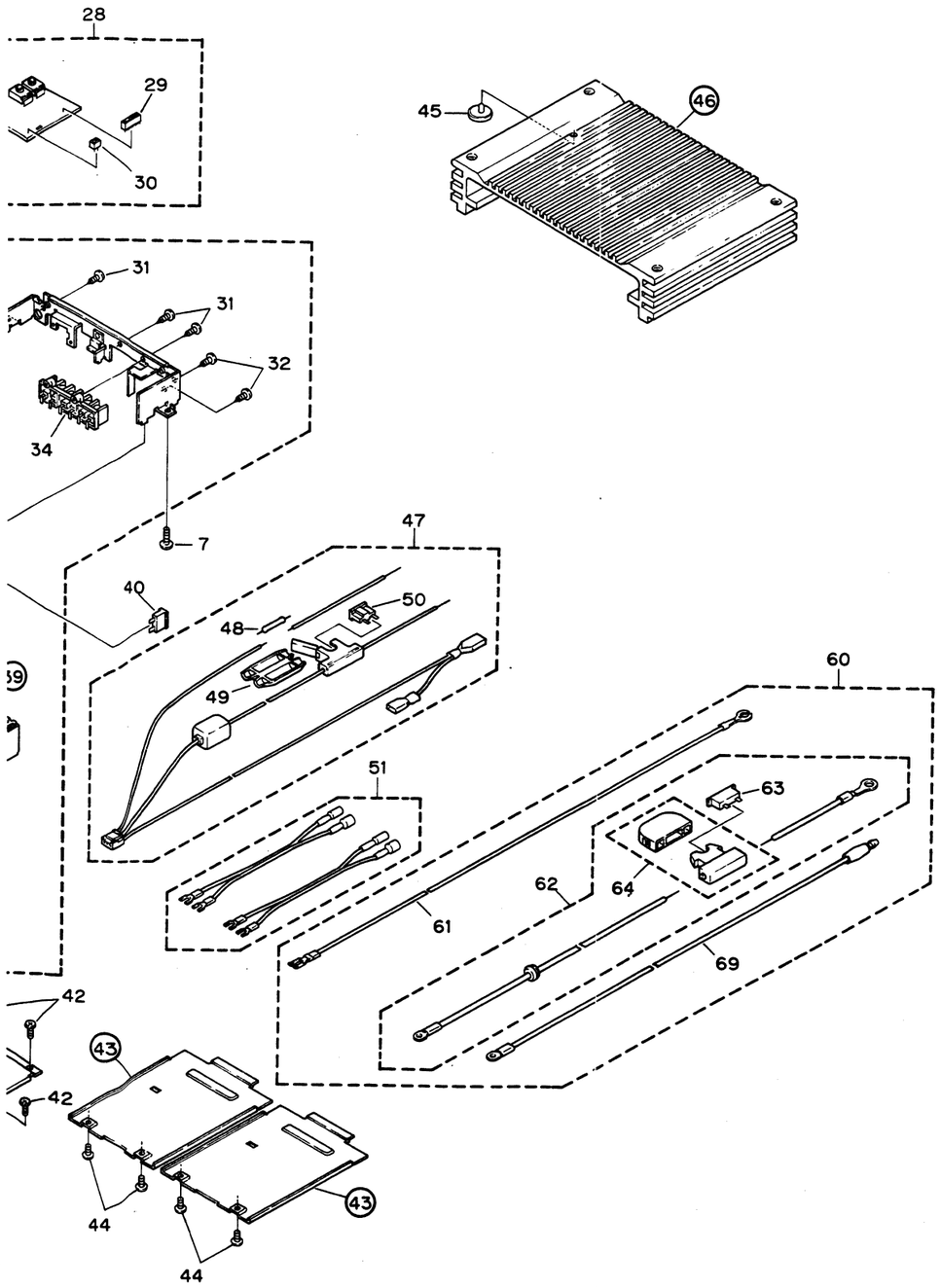


Fig. 6

● Parts List (GM-2200/EW, ES)

NOTE:

- *The parts marked with "◉" may need long time to supply and their supply is subject to refuse as the case may be.*
- *Because the parts with encircled number shown on the dismantling drawing are not spare parts, we are unable to supply them in principle.*

Mark	No.	Description	Part No.
◉	1	Amp Unit (2200/ES)	CWH1102
		Amp Unit (2200/EW)	**CWH1116**
	2	Screw	BMZ30P050FMC
	3	Screw	BMZ30P100FMC
	4	Screw	BMZ30P080FZK
	5	Bracket	CNC3425
	6	Heat Sink	CNC3676
	7	Screw	BMZ30P100FMC
	8	Lens	CNS2050
	9	Heat Sink	CNR1176
	10	Panel	CNB1392
	11	Screw	PMS30P040FZK
	12	Panel	CNB1445
	13	Screw	BMZ30P060FMC
	14	Holder	CNC3428
	15	Jack	CKB1006
	16	Connector	CDE3185
	17	Connector	CDE3186
	18	Plug	CKS1821
	19	Screw	BMZ30P080FMC
	20	Screw	BMZ30P080FMC
	21	Bracket	CNC3424
	22	Holder	CNC3427
	23	Heat Sink	CNC3442
	24	Insulator	CNM2838
	25	Spacer	CNM2983
	26	Case	CNB1393
	27	Screw	BMZ30P040FMC
◉	28	Volume Unit	CWG1025
	29	Plug	CKS1045
	30	Plug	CKS1035
	31	Screw	PPZ30P080FZK
	32	Screw	PPZ20P080FZK
	33	Bracket	CNC3426
	34	Terminal	CKE1016
	35	Fuse Holder	CKR1001
	36	Terminal	CNC3549
	37	Terminal	CNC3548
	38	P.C.Board	CNP2573
	39	Holder	CNC3430
	40	Fuse	CEK1140
	41	Holder	CNC3431
	42	Screw	BMZ30P040FMC
	43-46	·····	
	47	Cord Assy	CDE3308
	48	Resistor	RS1/2P102JL
	49	Cap	CNS1472
	50	Fuse	CEK1134
	51	Cord Assy	CDE3307
	52	Thermister	CCX1009
	53	Transistor	2SD1707
	54	Transistor	2SB1156
	55	Transistor	2SC1568
	56	Screw	BMZ30P080FMC
	57	FET	2SK1191
	58	Diode	RBV-602L
	59	FET	2SK1191
	60	Cord Assy	CDE3032
	61	Cord	CDE3025
	62	Cord	CDE3027
	63	Fuse	CEK1140
	64	Auto Fuse Holder	CKR1006
	65	Cover	CNS2052
	66	Connector	CKS1156
	67	Screw	BMZ20P080FMC
	68	Spacer	CNM3046
	69	·····	

			GM-2200/EW, ES	GM-1200/EW, ES
Mark	No.	Description	Part No.	Part No.
◉	1	Amp Unit	CWH1102 (ES)	CWH1104 (ES)
		Amp Unit	CWH1116 (EW)	CWH1117 (EW)
	6	Heat Sink	CNC3676	CNC3441
	8	Lens	CNS2050	·····
	9	Heat Sink	CNR1176	·····
	10	Panel	CNB1392	CNB1399
	12	Panel	CNB1445	CNB1446
	25	Spacer	CNM2983	·····
	26	Case	CNB1393	·····
	27	Screw	BMZ30P040FMC	·····
◉	28	Volume Unit	CWG1025	CWG1027
	34	Terminal	CKE1016	CKE1017
	40	Fuse	CEK1140	CEK1137
	43	Case	·····	CNB1395
	44	Screw	·····	BMZ30P040FMC
	45	Lens	·····	CNS2053
	46	Heat Sink	·····	CNR1180
	47	Cord Assy	CDE3308	CDE3015
	51	Cord Assy	CDE3307	CDE3018
	52	Thermister	CCX1009	CCX1010
	53	Transistor	2SD1707	2SD1705
	54	Transistor	2SB1156	2SB1154
	56	Screw	BMZ30P080FMC	·····
	59	FET	2SK1191	·····
	60	Cord Assy	CDE3032	CDE3029
	61	Cord	CDE3025	CDE3020
	62	Cord	CDE3027	·····
	63	Fuse	CEK1140	·····
	64	Auto Fuse Holder	CKR1006	·····
	69	Cord	·····	CDE3022

8. PACKING METHOD

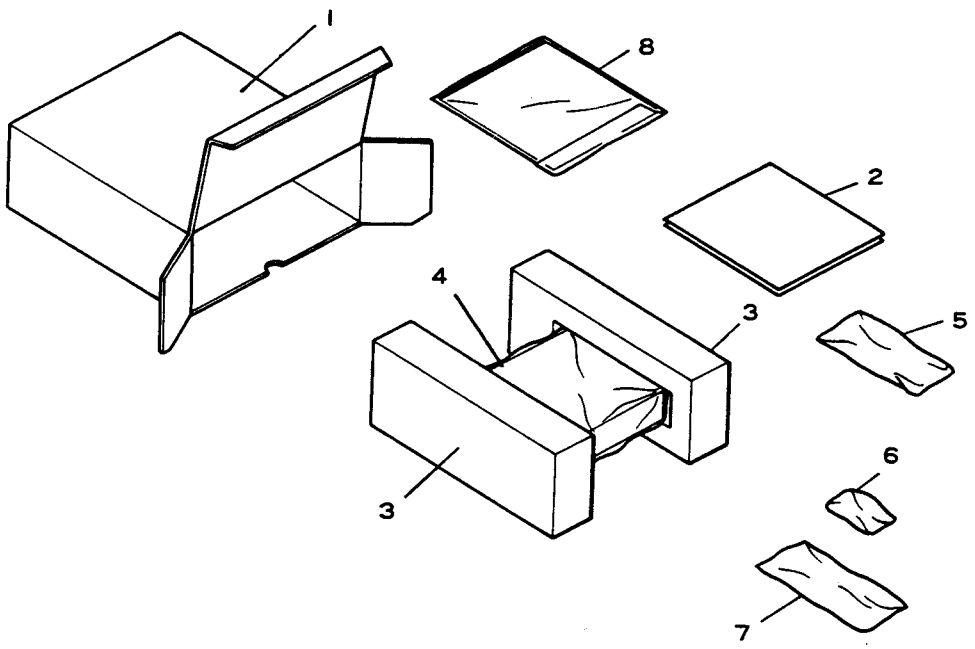


Fig. 7

● Parts List

NSP:Non spare part

Mark No.	Description	GM-2200/EW	GM-2200/ES	GM-1200/EW	GM-1200/ES
		Part No.	Part No.	Part No.	Part No.
1	Carton	CHG1961	CHG1962	CHG1959	CHG1960
2-1	Owner's Manual	CRD1450	CRD1450	CRD1450	CRD1450
	Owner's Manual	CRD1451	·····	CRD1451	·····
2-2	Card	NSP	·····	NSP	·····
3	Styrofoam	CHP1380	CHP1380	CHP1379	CHP1379
4	Polyethylene Bag	CEG1026	CEG1026	CEG1042	CEG1042
5	Cord Assy	CDE3308	CDE3308	CDE3015	CDE3015
6	Cord Assy	CDE3307	CDE3307	CDE3018	CDE3018
7-1	Screw Assy	NSP	NSP	NSP	NSP
7-1-1	Screw(×4)	HYC50P650FZK	HYC50P650FZK	HYC50P650FZK	HYC50P650FZK
7-2	Cover	CNS2052	CNS2052	CNS2052	CNS2052
7-3	Driver	CNV2697	CNV2697	CNV2697	CNV2697
8	Cord Assy	CDE3032	CDE3032	CDE3029	CDE3029
8-1	Cord	CDE3025	CDE3025	CDE3020	CDE3020
8-2	Cord	CDE3027	CDE3027	CDE3022	CDE3022

* Owner's Manual

Part No.	Model	Language
CRD1450	EW, ES	English, French, Spanish, Arabic
CRD1451	EW	German, Swedish, Norwegian, Dutch, Italian, Finnish